STIC Search Report
Biotech-Chem Library

USPTO

TO: Terra Gibbs
Location: CM1/12A12/11E12
Art Unit: 1635
Monday, November 10, 2003

Case Serial Number: 09/774809

From: David Schreiber
Location: Biotech-Chem Library
CM1-6A03
Phone: 308-4292

david.schreiber@uspto.gov

Search Notes

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ ____ ... Examiner # :_____ Date: _____

Art Unit: _____ Phone Number 30_____ Serial Number: _____

Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date. _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

....

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: P. Schreiber	NA Sequence (#) 6	STN _____
Searcher Phone = 308-4292	AA Sequence (#) ____	Dialog _____
Searcher Location CML 6A03	Structure (#) ____	Questel Orbit _____
Date Searcher Picked Up ____	Bibliographic ____	Dr Link _____
Date Completed 11/10	Litigation ____	Lexis Nexis _____
Searcher Prep & Review Time 20	Fulltext ____	Sequence Systems Compugen
Clerical Prep Time ____	Patent Family ____	WWW Internet _____
On line Time 102	Other ____	Other (specify) _____

PTO 1506 (12/97)

Schreiber, David

From: Gibbs, Terra   79523
Sent: Monday, November 03, 2003 11:31 AM
To: Schreiber, David
Subject: Sequence search request...

Hi David,
Doug Schultz and Karen LaCourcicie recommended that I send you this search request.
I have a request for a score over length search:
I need a length limited nucleotide sequence search against SEQ ID NO:31 of USSN 09/774,809, where the returns are rank ordered based on the score over length/ratio as we've discussed. I need the lengths limited to hits between 8 and 30 nucleotides, and I'll take as many hits as you can import into excel (64,000?), and alignments for anything above .75 on the above ratio. Hope this is clear, please call me if it's not. I do not need the interference databases searched.

Thanks!

Terra Cotta Gibbs, Ph.D.
; Art Unit 1635
CM1, 12A12
703-306-3221

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor
308-4258, CM1-1E01

Voluntary Results Feedback Form

➢ *I am an examiner in Workgroup:* ☐☐☐☐☐☐☐   *Example: 1610*

➢ *Relevant prior art* **found**, *search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

➢ *Relevant prior art* **not found:**

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CM1 – Circ. Desk

sira
Search and Information
Resources Administration

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 5, 2003, 03:41:20 ; Search time 1368 Seconds
                              (without alignments)
                              598.094 Million cell updates/sec

Title: US-09-774-809-31
Perfect score: 20
Sequence: 1 gtccgggccaggccaaagtc 20

Scoring table: IDENTITY_NUC
            Gapop 10.0 , Gapext 1.0

Searched: 2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters: 1007914

Minimum DB seq length: 8
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
            Maximum Match 100%
            Listing first 65000 summaries

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11-10-03

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41: em_htgo_other:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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c1310	9.4	47	11	6	AX627385	0.854545
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 5, 2003, 03:17:58 ; Search time 155 Seconds
                             (without alignments)
                             348.315 Million cell updates/sec

Title: US-09-774-809-31
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              Gapop 10.0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 2100800

Minimum DB seq length: 8
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
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              Listing first 65000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Score/Length
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5	20	100	20	21	AAA48651	1
6	20	100	20	22	AAH23754	1
7	20	100	20	22	AAF99183	1
8	20	100	20	24	ABS77827	1
9	20	100	20	24	ABL39057	1
c 953	10	50	10	21	AAZ81584	1
c 954	10	50	10	21	AAZ86676	1
c 955	10	50	10	22	AAH64570	1
c 956	10	50	10	22	AAH64571	1
12341	8	40	8	21	AAA80792	1
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c3488	9	45	10	21	AAZ82328	0.9
3489	9	45	10	21	AAZ85483	0.9
c3490	9	45	10	21	AAZ86477	0.9
c3491	9	45	10	21	AAZ86559	0.9
c3492	9	45	10	24	ABL52193	0.9
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c7258	8.4	42	10	22	AAF33708	0.84
c7259	8.4	42	10	22	AAF34406	0.84
c7260	8.4	42	10	22	AAF35939	0.84
c7261	8.4	42	10	22	AAF41896	0.84
7262	8.4	42	10	22	AAF42385	0.84
c7263	8.4	42	10	22	AAF43779	0.84
7264	8.4	42	10	24	ABV84222	0.84
c7265	8.4	42	10	24	ABV84641	0.84
c7266	8.4	42	10	24	ABV84947	0.84
c7267	8.4	42	10	24	ABV78373	0.84
7268	8.4	42	10	24	ABK95837	0.84
7269	8.4	42	10	24	ABK95838	0.84
c7270	8.4	42	10	24	ABA97040	0.84
c7271	8.4	42	10	24	ABK64054	0.84
7272	8.4	42	10	24	AAS19876	0.84
c7273	8.4	42	10	24	ABK23567	0.84
7274	8.4	42	10	24	ABK24232	0.84
7275	8.4	42	10	24	AAS99275	0.84
c7276	8.4	42	10	24	AAS16750	0.84
c7277	8.4	42	10	24	ABL42671	0.84
957	10	50	12	25	ABZ72939	0.833333
c 15	14	70	17	18	AAX74911	0.823529
c 13	14.8	74	18	18	AAX73494	0.822222
c26038	7.4	37	9	20	AAX54706	0.822222
c26039	7.4	37	9	21	AAF20275	0.822222
c26040	7.4	37	9	21	AAA34153	0.822222
26041	7.4	37	9	24	ABQ71850	0.822222
26042	7.4	37	9	24	ABQ71851	0.822222
c3495	9	45	11	24	ABQ81865	0.818182
c3496	9	45	11	24	ABV62890	0.818182
c3497	9	45	11	24	ABV64419	0.818182
c3498	9	45	11	24	ABV64637	0.818182
c3499	9	45	11	24	ABV68400	0.818182
c3500	9	45	11	24	ABV68594	0.818182
c3501	9	45	11	24	ABV70311	0.818182
c3502	9	45	11	24	ABV71840	0.818182
c12347	8	40	10	14	AAQ51821	0.8
12348	8	40	10	16	AAQ96792	0.8

12349	8	40	10	16 AAQ96793	0.8
c12350	8	40	10	16 AAQ88580	0.8
c12351	8	40	10	20 AAX54584	0.8
c12352	8	40	10	20 AAX18625	0.8
c12353	8	40	10	21 AAF20153	0.8
12354	8	40	10	21 AAC73935	0.8
c12355	8	40	10	21 AAA56555	0.8
c12356	8	40	10	21 AAA34031	0.8
c12357	8	40	10	21 AAZ77634	0.8
c12358	8	40	10	21 AAZ79103	0.8
c12359	8	40	10	21 AAZ79322	0.8
c12360	8	40	10	21 AAZ81594	0.8
12361	8	40	10	21 AAZ82082	0.8
12362	8	40	10	21 AAZ83064	0.8
c12363	8	40	10	21 AAZ83312	0.8
c12364	8	40	10	21 AAZ83787	0.8
12365	8	40	10	21 AAZ83855	0.8
12366	8	40	10	21 AAZ83864	0.8
12367	8	40	10	21 AAZ84284	0.8
c12368	8	40	10	21 AAZ85316	0.8
c12369	8	40	10	21 AAZ85453	0.8
c12370	8	40	10	21 AAZ85585	0.8
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12372	8	40	10	21 AAZ85958	0.8
12373	8	40	10	22 ABA06090	0.8
12374	8	40	10	22 ABA06204	0.8
12375	8	40	10	22 AAH63781	0.8
c12376	8	40	10	22 AAH64036	0.8
c12377	8	40	10	22 AAH64037	0.8
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12380	8	40	10	22 AAH64388	0.8
12381	8	40	10	22 AAH64389	0.8
12382	8	40	10	22 AAH64390	0.8
12383	8	40	10	22 AAH64391	0.8
12384	8	40	10	22 AAH64392	0.8
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12387	8	40	10	22 AAH32825	0.8
c12388	8	40	10	22 AAH32856	0.8
c12389	8	40	10	22 AAF39487	0.8
c12390	8	40	10	22 AAF41493	0.8
12391	8	40	10	24 ABV84307	0.8
12392	8	40	10	24 ABV84789	0.8
12393	8	40	10	24 ABV84947	0.8
12394	8	40	10	24 ABV78373	0.8
12395	8	40	10	24 ABV78459	0.8
12396	8	40	10	24 ABL57664	0.8
12397	8	40	10	24 ABK95840	0.8

c12398	8	40	10	24 ABK72637		0.8
c12399	8	40	10	24 ABK17015		0.8
12400	8	40	10	24 AAS99416		0.8
12401	8	40	10	24 AAS95685		0.8
12402	8	40	10	24 ABL36370		0.8
12403	8	40	10	24 ABL42671		0.8
12404	8	40	10	24 ABL42760		0.8
c12405	8	40	10	24 ABL42855		0.8
c 11	15	75	19	21 AAA82879		0.789474
c 12	15	75	19	22 AAH58041		0.789474
c 21	13.4	67	17	18 AAX69246		0.788235
22	13.4	67	17	22 AAD03853		0.788235
23	13.4	67	17	24 AAS18424		0.788235
24	13.4	67	17	25 ABX16354		0.788235
c2028	9.4	47	12	20 AAX55033		0.783333
c2029	9.4	47	12	21 AAF20602		0.783333
c2030	9.4	47	12	21 AAA34480		0.783333
c43704	7	35	9	21 AAF20849		0.777778
c43705	7	35	9	21 AAA34727		0.777778
c43706	7	35	9	24 ABQ72098		0.777778
c43707	7	35	9	24 ABQ72099		0.777778
c 283	10.8	54	14	18 AAT76461		0.771429
c 284	10.8	54	14	20 AAX54253		0.771429
c 285	10.8	54	14	21 AAF19819		0.771429
c 286	10.8	54	14	21 AAA33697		0.771429
c 29	13	65	17	18 AAX74910		0.764706
7278	8.4	42	11	20 AAX54916		0.763636
7279	8.4	42	11	21 AAF20485		0.763636
7280	8.4	42	11	21 AAA34363		0.763636
c7281	8.4	42	11	21 AAZ59919		0.763636
7282	8.4	42	11	24 ABQ81854		0.763636
7283	8.4	42	11	24 ABV62380		0.763636
c7284	8.4	42	11	24 ABV62551		0.763636
7285	8.4	42	11	24 ABV62704		0.763636
7286	8.4	42	11	24 ABV63037		0.763636
7287	8.4	42	11	24 ABV65097		0.763636
7288	8.4	42	11	24 ABV65146		0.763636
c7289	8.4	42	11	24 ABV65638		0.763636
7290	8.4	42	11	24 ABV65978		0.763636
c7291	8.4	42	11	24 ABV66142		0.763636
c7292	8.4	42	11	24 ABV66964		0.763636
c7293	8.4	42	11	24 ABV67427		0.763636
7294	8.4	42	11	24 ABV67547		0.763636
c7295	8.4	42	11	24 ABV68518		0.763636
c7296	8.4	42	11	24 ABV68762		0.763636
7297	8.4	42	11	24 ABV69053		0.763636
c7298	8.4	42	11	24 ABV69138		0.763636
c7299	8.4	42	11	24 ABV69411		0.763636
c7300	8.4	42	11	24 ABV69528		0.763636

7301	8.4	42	11	24	ABV69801	0.763636
c7302	8.4	42	11	24	ABV69972	0.763636
7303	8.4	42	11	24	ABV70125	0.763636
7304	8.4	42	11	24	ABV70458	0.763636
7305	8.4	42	11	24	ABQ86459	0.763636
c7306	8.4	42	11	24	ABQ86573	0.763636
7307	8.4	42	11	24	ABQ87161	0.763636
7308	8.4	42	11	24	ABQ87207	0.763636
7309	8.4	42	11	24	ABL92021	0.763636
7310	8.4	42	11	25	ABX71946	0.763636
152	11.4	57	15	24	AAS19798	0.76
c1241	9.8	49	13	20	AAV63772	0.753846
c1242	9.8	49	13	21	AAA04950	0.753846
c1243	9.8	49	13	21	AAA05213	0.753846
c1244	9.8	49	13	23	ABC48592	0.753846
1245	9.8	49	13	23	ABC48593	0.753846
c 31	12.8	64	17	18	AAX73045	0.752941

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OM nucleic - nucleic search, using sw model

Run on: November 5, 2003, 06:43:01 ; Search time 52 Seconds
                            (without alignments)
                            169.763 Million cell updates/sec

Title: US-09-774-809-31
Perfect score: 20
Sequence: 1 gtccgggccaggccaaagtc 20

Scoring table: IDENTITY_NUC
              Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 544510

Minimum DB seq length: 8
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
              Maximum Match 100%
              Listing first 65000 summaries

Database :   Issued_Patents_NA:*
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              6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

    Pred. No. is the number of results predicted by chance to have a
    score greater than or equal to the score of the result being printed,
    and is derived by analysis of the total score distribution.

                      SUMMARIES
                        %
Result   Query
  No.   Score   Match Length DB ID   Score/Length
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        1   20   100   20   2 US-08-910-629A-31   1
c 2   20   100   20   2 US-08-910-629A-42   1
        3   20   100   20   3 US-09-209-668-7   1

4	20	100	20	3 US-09-287-796-31	1
c 5	20	100	20	3 US-09-287-796-42	1
6	20	100	20	3 US-09-130-616-31	1
c 7	20	100	20	3 US-09-130-616-42	1
4597	8	40	8	3 US-08-859-954-105	1
c 8	15.4	77	17	4 US-09-371-772B-6740	0.905882
16171	7	35	8	1 US-08-105-483-423	0.875
16172	7	35	8	1 US-08-709-209-423	0.875
16173	7	35	8	1 US-08-303-275-131	0.875
16174	7	35	8	1 US-08-458-101-423	0.875
16175	7	35	8	3 US-08-859-954-106	0.875
16176	7	35	8	3 US-08-859-954-359	0.875
c 172	10.4	52	12	3 US-08-822-586-49	0.866667
173	10.4	52	12	3 US-09-281-418-100	0.866667
9	15.4	77	18	3 US-08-951-923-51	0.855556
648	9.4	47	11	4 US-09-249-155A-324	0.854545
c 12	14.4	72	17	4 US-08-584-040-4222	0.847059
c 13	14.4	72	17	4 US-09-371-772B-1989	0.847059
2575	8.4	42	10	3 US-08-388-353-387	0.84
2576	8.4	42	10	3 US-08-488-551B-387	0.84
c2577	8.4	42	10	3 US-08-522-384-63	0.84
2578	8.4	42	10	4 US-09-720-201A-24	0.84
c 18	13.4	67	16	4 US-09-371-772B-5851	0.8375
c 14	14	70	17	4 US-08-584-040-7661	0.823529
c 15	14	70	17	4 US-09-371-772B-3450	0.823529
c 10	14.8	74	18	4 US-08-584-040-6244	0.822222
c 11	14.8	74	18	4 US-09-371-772B-3004	0.822222
c 16	13.8	69	17	4 US-09-371-772B-4833	0.811765
c4598	8	40	10	2 US-08-441-887A-183	0.8
c4599	8	40	10	2 US-08-192-942-6	0.8
4600	8	40	10	3 US-08-388-353-388	0.8
4601	8	40	10	3 US-08-388-353-389	0.8
4602	8	40	10	3 US-08-488-551B-388	0.8
4603	8	40	10	3 US-08-488-551B-389	0.8
c31171	6.4	32	8	3 US-08-474-700B-43	0.8
31172	6.4	32	8	3 US-08-859-954-56	0.8
31173	6.4	32	8	3 US-08-859-954-107	0.8
c31174	6.4	32	8	3 US-09-041-675-9	0.8
31175	6.4	32	8	3 US-09-041-675-15	0.8
31176	6.4	32	8	3 US-09-041-675-23	0.8
31177	6.4	32	8	3 US-08-646-301A-10	0.8
c31178	6.4	32	8	3 US-08-646-301A-10	0.8
c31179	6.4	32	8	3 US-09-398-499-16	0.8
31180	6.4	32	8	3 US-09-398-499-39	0.8
19	13.4	67	17	3 US-08-924-183-6	0.788235
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c 21	13.4	67	17	4 US-08-584-040-1996	0.788235
c 22	13.4	67	17	4 US-09-371-772B-541	0.788235
c 23	13.4	67	17	4 US-09-371-772B-4834	0.788235

c 24	13	65	17	4 US-08-584-040-7660	0.764706
c 25	13	65	17	4 US-09-371-772B-3449	0.764706
c 363	9.8	49	13	3 US-08-882-046-77	0.753846
364	9.8	49	13	4 US-09-922-445-11	0.753846
c 365	9.8	49	13	4 US-09-922-445-36	0.753846
c 26	12.8	64	17	4 US-08-584-040-5795	0.752941
c 27	12.8	64	17	4 US-09-371-772B-2661	0.752941
c50444	6	30	8	1 US-07-949-541A-34	0.75
c50445	6	30	8	1 US-07-949-541A-39	0.75
c50446	6	30	8	2 US-08-593-345B-13	0.75
c50447	6	30	8	3 US-08-859-954-53	0.75
c50448	6	30	8	3 US-08-859-954-81	0.75
50449	6	30	8	3 US-08-859-954-104	0.75
c50450	6	30	8	3 US-08-859-954-329	0.75
50451	6	30	8	3 US-08-859-954-332	0.75
c50452	6	30	8	3 US-08-859-954-333	0.75
50453	6	30	8	3 US-08-859-954-360	0.75
50454	6	30	8	3 US-08-859-954-396	0.75

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OM nucleic - nucleic search, using sw model

Run on: November 5, 2003, 07:13:11 ; Search time 138 Seconds
                        (without alignments)
                        394.173 Million cell updates/sec

Title: US-09-774-809-31
Perfect score: 20
Sequence: 1 gtccgggccaggccaaagtc 20

Scoring table: IDENTITY_NUC
            Gapop 10.0 , Gapext 1.0

Searched: 1811591 seqs, 1359896290 residues

Total number of hits satisfying chosen parameters: 926388

Minimum DB seq length: 8
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
            Maximum Match 100%
            Listing first 65000 summaries

Database :   Published_Applications_NA:*
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            11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
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      Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Score/Length
1	20	100	20	11	US-09-774-809-31	1
c 2	20	100	20	11	US-09-774-809-42	1
3	20	100	20	11	US-09-888-326-463	1
4	20	100	20	11	US-09-776-479-311	1
5	20	100	20	14	US-10-112-653-301	1
6	20	100	20	14	US-10-017-995-311	1
c 565	10	50	10	12	US-10-330-627-1410	1
c 566	10	50	10	12	US-10-330-627-1411	1
c2292	9	45	10	13	US-10-033-145-1619	0.9
c8456	8	40	9	9	US-09-989-789-2374	0.888889
c8457	8	40	9	9	US-09-989-789-2376	0.888889
c8458	8	40	9	9	US-09-989-789-2424	0.888889
c8459	8	40	9	11	US-09-990-186-2374	0.888889
c8460	8	40	9	11	US-09-990-186-2376	0.888889
c8461	8	40	9	11	US-09-990-186-2424	0.888889
c8462	8	40	9	11	US-09-989-994-2374	0.888889
c8463	8	40	9	11	US-09-989-994-2376	0.888889
c8464	8	40	9	11	US-09-989-994-2424	0.888889
c32015	7	35	8	10	US-09-837-751-13	0.875
7	17	85	20	14	US-10-007-010-56	0.85
c5017	8.4	42	10	12	US-10-329-465-204	0.84
c5018	8.4	42	10	12	US-10-330-627-420	0.84
c5019	8.4	42	10	12	US-10-330-627-421	0.84
5020	8.4	42	10	12	US-10-330-627-422	0.84
5021	8.4	42	10	12	US-10-330-627-644	0.84
c5022	8.4	42	10	12	US-10-330-627-1228	0.84
c5023	8.4	42	10	12	US-10-330-627-1229	0.84
c5024	8.4	42	10	12	US-10-330-627-1230	0.84
c5025	8.4	42	10	12	US-10-330-627-1231	0.84
c5026	8.4	42	10	12	US-10-330-627-1232	0.84
c5027	8.4	42	10	12	US-10-330-627-1233	0.84
c5028	8.4	42	10	12	US-10-330-627-1234	0.84
c5029	8.4	42	10	13	US-10-033-145-405	0.84
5030	8.4	42	10	13	US-10-033-145-1326	0.84
567	10	50	12	10	US-09-263-959-437	0.833333
18647	7.4	37	9	9	US-09-989-789-2148	0.822222
18648	7.4	37	9	9	US-09-989-789-2149	0.822222
18649	7.4	37	9	11	US-09-990-186-2148	0.822222
18650	7.4	37	9	11	US-09-990-186-2149	0.822222
18651	7.4	37	9	11	US-09-989-994-2148	0.822222
18652	7.4	37	9	11	US-09-989-994-2149	0.822222

18653	7.4	37	9	12 US-10-277-494-167	0.822222
c2293	9	45	11	12 US-10-055-728-15	0.818182
8465	8	40	10	12 US-10-330-627-621	0.8
c8466	8	40	10	12 US-10-330-627-876	0.8
c8467	8	40	10	12 US-10-330-627-877	0.8
c8468	8	40	10	12 US-10-330-627-1214	0.8
c8469	8	40	10	12 US-10-330-627-1215	0.8
8470	8	40	10	12 US-10-330-627-1228	0.8
8471	8	40	10	12 US-10-330-627-1229	0.8
8472	8	40	10	12 US-10-330-627-1230	0.8
8473	8	40	10	12 US-10-330-627-1231	0.8
8474	8	40	10	12 US-10-330-627-1232	0.8
8475	8	40	10	12 US-10-330-627-1233	0.8
8476	8	40	10	12 US-10-330-627-1234	0.8
c8477	8	40	10	12 US-10-438-683-6	0.8
c8478	8	40	10	13 US-10-033-145-62	0.8
c8479	8	40	10	13 US-10-033-145-1531	0.8
c8480	8	40	10	13 US-10-033-145-1750	0.8
60658	6.4	32	8	13 US-10-027-632-176277	0.8
9	13.4	67	17	13 US-10-020-038-6	0.788235
c32016	7	35	9	9 US-09-989-789-2396	0.777778
c32017	7	35	9	9 US-09-989-789-2397	0.777778
c32018	7	35	9	11 US-09-990-186-2396	0.777778
c32019	7	35	9	11 US-09-990-186-2397	0.777778
c32020	7	35	9	11 US-09-989-994-2396	0.777778
c32021	7	35	9	11 US-09-989-994-2397	0.777778
5031	8.4	42	11	12 US-10-055-728-4	0.763636
842	9.8	49	13	13 US-10-005-212-7	0.753846

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OM nucleic - nucleic search, using sw model

Run on: November 5, 2003, 03:43:24 ; Search time 1279 Seconds
                            (without alignments)
                            380.054 Million cell updates/sec

Title: US-09-774-809-31
Perfect score: 20
Sequence: 1 gtccgggccaggccaaagtc 20

Scoring table: IDENTITY_NUC
            Gapop 10.0 , Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 33250

Minimum DB seq length: 8
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
            Maximum Match 100%
            Listing first 65000 summaries

Database :   EST:*
            1: em_estba:*
            2: em_esthum:*
            3: em_estin:*
            4: em_estmu:*
            5: em_estov:*
            6: em_estpl:*
            7: em_estro:*
            8: em_htc:*
            9: gb_est1:*
            10: gb_est2:*
            11: gb_htc:*
            12: gb_est3:*
            13: gb_est4:*
            14: gb_est5:*
            15: em_estfun:*
            16: em_estom:*
            17: em_gss_hum:*
            18: em_gss_inv:*
            19: em_gss_pln:*

20: em_gss_vrt:*
21: em_gss_fun:*
22: em_gss_mam:*
23: em_gss_mus:*
24: em_gss_pro:*
25: em_gss_rod:*
26: em_gss_phg:*
27: em_gss_vrl:*
28: gb_gss1:*
29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Score/Length
c2824	6	30	8	14	CD486474	0.75